

What is claimed is:

- 1           1.       A method of remotely accessing a computer system by a remote console,  
2 comprising:  
3               receiving, by an emulation device, first pointer position data representing a  
4 position of a first pointing device coupled to the remote console, the emulation device to  
5 emulate a second pointing device that is of a different type than the first pointing device; and  
6               generating, by the emulation device, second pointer position data representing  
7 a position of the second pointing device based on the received first pointer position data.
- 1           2.       The method of claim 1, further comprising sending the second pointer position  
2 data to a software module in the computer system.
- 1           3.       The method of claim 2, wherein generating the second pointer position data  
2 comprises generating pointer position data associated with a tablet device.
- 1           4.       The method of claim 3, wherein receiving the first pointer position data  
2 comprises receiving pointer position data representing a position of a mouse device.
- 1           5.       The method of claim 3, wherein receiving the first pointer position data  
2 comprises receiving pointer position data representing a position of a pointing device that  
3 provides relative pointer position data to indicate movement of the pointing device.
- 1           6.       The method of claim 5, wherein receiving the first pointer position data  
2 comprises receiving absolute pointer position data.
- 1           7.       The method of claim 6, wherein generating the second pointer position data  
2 comprises generating absolute pointer position data.
- 1           8.       The method of claim 7, wherein generating the second pointer position data  
2 comprises generating absolute pointer position data of an emulated tablet device.

1           9.     The method of claim 2, wherein generating the second pointer position data  
2 comprises generating pointer position data representing a position in a grid associated with a  
3 tablet device.

1           10.    The method of claim 1, wherein generating the second pointer position data by  
2 the emulation device comprises generating the second pointer position data by an emulated  
3 Universal Serial Bus (USB) human interface device.

1           11.    The method of claim 10, further comprising sending the second pointer  
2 position data from the emulated USB human interface device to a USB host controller.

1           12.    The method of claim 1, wherein generating the second pointer position data by  
2 the emulation device comprises generating the second pointer position data by an emulated  
3 PS/2 input device.

1           13.    The method of claim 1, wherein generating the second pointer position data by  
2 the emulation device comprises generating the second pointer position data by an emulated  
3 PS/2 tablet device.

1           14.    The method of claim 1, further comprising emulating, with the emulation  
2 device, a USB human interface device and a USB host controller.

1           15.    The method of claim 14, further comprising sending the second pointer  
2 position data onto a system bus.

1           16.    The method of claim 1, wherein sending the second pointer position data onto  
2 the system bus comprises sending the second pointer position data onto a Peripheral  
3 Component Interconnect (PCI) bus.

1           17.    An apparatus comprising:  
2                    an interface to receive first pointer position data from a remote console, the  
3 first pointer position data associated with a first pointing device; and  
4                    a controller to emulate a second pointing device that is of a different type from  
5 the first pointing device, the controller to generate second pointer position data in response to  
6 the first pointer position data.

1           18.    The apparatus of claim 17, further comprising an operating system, the  
2 operating system to receive the second pointer position data.

1           19.    The apparatus of claim 18, further comprising a server, the operating system  
2 executable in the server.

1           20.    The apparatus of claim 19, further comprising a server management device  
2 including the interface and the controller, the server management device coupled to the  
3 server.

1           21.    The apparatus of claim 20, wherein the server management device is part of  
2 the server.

1           22.    The apparatus of claim 17, wherein the controller is adapted to emulate a  
2 second pointing device that is a tablet device.

1           23.    The apparatus of claim 22, wherein the first pointer position data represents a  
2 position of a mouse device coupled to the remote console.

1           24.    The apparatus of claim 23, wherein the first pointer position data represents a  
2 position of a pointing device that provides relative pointer position data to indicate movement  
3 of the pointing device.

1           25.    The apparatus of claim 24, wherein the first pointer position data comprises  
2 absolute pointer position data.

1           26.    The apparatus of claim 25, wherein the second pointer position data comprises  
2 absolute pointer position data.

1           27.    The apparatus of claim 17, wherein the controller is adapted to emulate a  
2 Universal Serial Bus (USB) human interface device.

1           28.    The apparatus of claim 27, further comprising a USB host controller to receive  
2 the second pointer position data from the USB human interface device.

1           29.    The apparatus of claim 28, wherein the controller comprises a USB device  
2 controller.

1           30.    The apparatus of claim 17, wherein the controller is adapted to emulate a PS/2  
2 tablet device.

1           31.    The apparatus of claim 17, wherein the controller is adapted to emulate a USB  
2 human interface device and a USB host controller.

1           32.    A console comprising:  
2                   a first pointing device;  
3                   an interface to communicate absolute pointer position data to a computer  
4 system over a link; and  
5                   a controller to transform relative pointer position data from the first pointing  
6 device to the absolute pointer position data.

1           33.    The console of claim 32, wherein the controller is adapted to transform the  
2 relative pointer position data from the first pointing device to an intermediate pointer position  
3 data, and the controller to further transform the intermediate pointer position data to the  
4 absolute pointer position data based on characteristics of a second pointing device being  
5 emulated by an emulation device coupled to the computer system.

1           34.    The console of claim 33, wherein the controller is adapted to transform the  
2 intermediate pointer position data to the absolute pointer position data based on  
3 characteristics of a tablet device being emulated by the emulation device in the computer  
4 system.

1           35.    A system comprising:  
2                   means for receiving first pointer position data from a remote console, the first  
3 pointer position data representing a position of a first pointing device; and  
4                   means for emulating a second pointing device that is of a different type from  
5 the first pointing device, the emulating means for generating second pointer position data in  
6 response to the first pointer position data.

1           36.    The system of claim 35, wherein the means for emulating the second pointing  
2 device comprises a means for emulating a tablet device.